

Title (en)  
METHOD FOR INSERTING PRODUCTS IN TRAYS AND LOADING STATION

Title (de)  
VERFAHREN ZUM EINLEGEN VON PRODUKTEN IN TRAYS UND BELADESTATION

Title (fr)  
PROCÉDÉ DE CHARGEMENT DE PRODUITS SUR DES PLATEAUX ET STATION DE CHARGEMENT

Publication  
**EP 4067241 A3 20230607 (DE)**

Application  
**EP 22164994 A 20220329**

Priority  
DE 102021107944 A 20210330

Abstract (en)  
[origin: US2022315256A1] The disclosure relates to a method for inserting products into trays at a loading station for a tray sealer, where a tray of several trays loaded with product by way of a gripper unit to a target value at the loading station and provided therein on a tray conveyor is pushed directly onto a discharge belt of the loading station by way of a tray pusher formed on the gripper unit. The disclosure furthermore relates to a loading station for a tray sealer.

Abstract (de)  
Die Erfindung betrifft ein Verfahren zum Einlegen von Produkten (P) in Trays (T) an einer Beladestation (5) für einen Traysealer (6), wobei an der Beladestation (5) von mehreren darin auf einem Trayförderer (8) bereitgestellten Trays (T) ein mittels einer Greifereinheit (18) sollwertig mit Produkt (P) beladener Tray (T) direkt mittels eines an der Greifereinheit (18) ausgebildeten Trayschiebers (23) auf ein Abführband (11) der Beladestation (5) geschoben wird. Ferner bezieht sich die Erfindung auf eine Beladestation (5) für einen Traysealer (6).

IPC 8 full level  
**B65B 5/10** (2006.01); **B25J 9/00** (2006.01); **B25J 11/00** (2006.01); **B25J 15/00** (2006.01); **B25J 15/06** (2006.01); **B65B 35/44** (2006.01); **B65B 43/44** (2006.01); **B65B 43/46** (2006.01); **B65B 43/52** (2006.01); **B65B 43/54** (2006.01); **B65B 57/14** (2006.01); **B65B 59/00** (2006.01); **B65B 59/02** (2006.01); **B65B 61/28** (2006.01); **B65B 65/00** (2006.01); **B65G 47/34** (2006.01)

CPC (source: EP US)  
**B25J 9/0093** (2013.01 - EP); **B25J 11/0045** (2013.01 - EP); **B25J 15/0014** (2013.01 - EP); **B25J 15/0052** (2013.01 - EP); **B25J 15/0616** (2013.01 - EP); **B65B 5/105** (2013.01 - EP US); **B65B 35/24** (2013.01 - US); **B65B 35/44** (2013.01 - EP); **B65B 43/44** (2013.01 - EP); **B65B 43/46** (2013.01 - EP); **B65B 43/52** (2013.01 - EP); **B65B 43/54** (2013.01 - EP); **B65B 57/14** (2013.01 - EP); **B65B 59/001** (2019.05 - EP); **B65B 59/02** (2013.01 - EP); **B65B 61/28** (2013.01 - EP); **B65B 65/003** (2013.01 - EP); **B65G 47/82** (2013.01 - US); **B65G 47/88** (2013.01 - US); **B65G 47/914** (2013.01 - US)

Citation (search report)  
• [A] WO 2021044053 A1 20210311 - MAREL ICELAND EHF [IS]  
• [A] EP 2500276 A1 20120919 - ISHIDA SEISAKUSHO [JP]  
• [A] US 2019270197 A1 20190905 - WAGNER THOMAS [US], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

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